

REMARKS

The claims have been amended in order to more completely describe and distinctly claim the invention and to overcome the various grounds of rejection set forth in the Official Letter. Inasmuch as no new matter is embodied by the proposed amendments, entry thereof is respectfully requested.

The Examiner's objection to the preliminary amendment is clarified by the above amendment whereby claims 8-14 have been cancelled with no concomitant amendment of the cancelled claims.

The rejection of the claims under 35 USC 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the invention, is believed to be obviated by the above amendment. Accordingly, withdrawal of this ground of rejection is respectfully requested.


The rejection of the claims under 35 USC 102 over "5,962,533" or CA:125:25633 as being completely anticipated is respectfully traversed. The Examiner states that "the reference discloses that compounds 33 and 34 are used to treat diarrhea". Although it is true that compounds 33 and 34 of the references are, indeed, encompassed by the structural formulae of the present claims, there is no teaching in the reference that these compounds are useful in the treatment of diarrhea. Compounds 33 and 34 are contained in table 1 which merely sets forth comparative examples of various polyamines. In point of fact the only polyamines that the references indicate are useful for the treatment of diarrhea are those "wherein at least one of said bridging groups ALK_1 , ALK_2 and ALK_3 contains at least one --CH(OH)-- group which is not alpha- to either of the nitrogen atoms." Since none of the polyamines embraced by the structural formulae of the present

claims contain such a group, the reference cannot be said to anticipate the claims within the meaning of 35 USC 102(b). Accordingly, withdrawal of this ground of rejection is respectfully requested.

Applicants have earnestly endeavored to place the application in condition for allowance and an early action to that end is respectfully requested.

Respectfully submitted,

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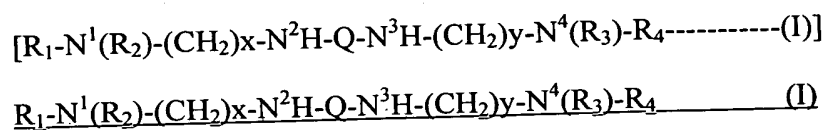
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IN THE CLAIMS – VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

Claim 1, lines 4 and 5, respectively, please change “may be” to --are--.

1. (Amended) An anti-diarrheal or gastrointestinal anti-spasmodic pharmaceutical composition comprising [A] an effective amount of a compound having the formula:



wherein: R₁, R₂, R₃ and R₄ [may be] are the same or different and are H, alkyl, cycloalkyl or aralkyl having from 1 to 12 carbon atoms, or a heterocyclic group having from 3 to 10 atoms wherein the hetero atom is said N¹ or N⁴;

Q is a cycloalkyl group having from 3 to 10 carbon atoms;

x is an integer from 3 to 6, inclusive;

and y is an integer from 3 to 6, inclusive;

or (II) a salt thereof with a pharmaceutically acceptable acid; and [B] a pharmaceutically acceptable carrier therefor.

Claims 2-7, line 1 of each, please replace “A” with --The--.

2. [A] The composition according to claim 1 wherein Q is connected either *cis* or *trans* as the (1,2), (1,3), (1,4), (1,5) or (1,6) isomer.

3. [A] The composition according to claim 1 wherein Q is cyclohexyl.
4. [A] The composition according to claim 1 wherein x is 3 and y is 3.
5. [A] The composition according to claim 1 wherein x is 3, y is 3, R₁ and R₃ are both H and R₂ and R₄ are both ethyl.
6. [A] The composition according to claim 1 wherein Q is cyclohexyl; x and y are 3; R₁ and R₃ are both H, and R₂ and R₄ are both ethyl.
7. [A] The composition according to claim 6 wherein said polyamine is the *trans* (1,4) isomer.